

When changes now under way are completed the campus will be served for the most part by a college owned distribution system consisting of 2300 volt primary cables supplying transformer banks located in vaults at suitable locations then transformer banks in turn supplying 4 wire 120/208 secondaries for the building or buildings in the immediate vicinity. A few buildings located off campus will perhaps continue to be served by the Northampton Electric Light Co. who will also supply the college owned 2300 volt system.

There will be no direct connection between the various secondary mains which means that the output of our transmitter would have to travel from the secondary to which it is connected, through a transformer bank to the primary circuit and thence down through other transformer banks to the secondary systems supplying our various houses. We understand that the Northampton Electric Light Co. will not sanction the use of coupling devices around the transformer banks. It has been specified that any connections we make must be to the 120/208 volt lines and not to the 2300 volt lines.

Due to this additional information we would like the answers to the following questions. Since we must, according to your code use a frequency band of 540-700 kilocycles will this higher frequency go through our transformer system in accordance with your standards for quality of production?

Second, could we use the sound room of a local radio station and have the transmitter at that point, or would it be preferable to have the transmitter itself in some house on the campus connected to the sound room of the radio station by means of telephone wires or some other type of wires?

Third, would you find it necessary for us to obtain, if possible, diagrams of the campus showing the number and location of the college transformers.

Fourth, would our transformer system necessitate the building of our own special transformer, and, assuming the transmitter to be in one of the college buildings, could we use a college transformer in or near that building?

And last, but not least, do our dues to I.B.S. include the use of American Tel and Tel lines for receiving network programs?

Now that we have exhausted your patience we would like to thank you again for your assistance.

Sincerely,



